

**Psy 3720: Psychopharmacology Spring 2012 Course Syllabus\***  
**Course #25485, 3.0 credits, MWF 10:00 – 10:50 a.m. EdFam #111**

\*Subject to change as instructor deems necessary.

***Prerequisite: Psy 3710, Behavioral Neuroscience***

**Instructor:** Valerie Carlson, M.S. Biochemical Engineering, B.A. Functional Biology, Russian. In Progress: PsyD: Health and Wellness Psychology

**Office Hrs:** WSSC 340, MW 1- 3pm

*If you would like to set up a different time to meet with me, email me and let me know. I want to help you succeed!*

**Email:** vcarlson@dixie.edu

**Textbook/Access Code Package:**

- Grilly, D. M., & Salamone, J. (2011). *Drugs, brain, and behavior* (6th ed.). Prentice Hall.
- AND MySearchLab access code
- Package ISBN-10: 0205234992 | ISBN-13: 9780205234998

**Course Description and Objectives:**

*Psychopharmacology is taught through a combination of lecture and class discussion. Learning modules will be accessed through Canvas. Quizzes and exams will be given online in the testing center. The final exam will be given in class on the designated day.*

Successful completion of psychopharmacology will help you understand the psychological effects of drugs, and how drug actions can be understood in terms of effects on the brain. Rather than simply focusing on drug dependence and addiction, this course places considerable emphasis on drug treatments for various psychiatric disorders such as: schizophrenia, depression, anxiety, parkinsonism, ADHD and Alzheimer's disease. It also combines neurotransmitter-based approaches to the field with perspectives that emphasize specific drugs and distinct drug categories.

Specifically, this course will include an overview of:

- psychopharmacology from a historical perspective and current basic principles of psychopharmacology;
- behavioral assessment and classifications of drugs;
- neurochemical properties of the neuron and synaptic transmission;
- psychomotor stimulants and antiparkinsonian drugs;
- neurochemical hypotheses of schizophrenia & antipsychotic drugs;
- antidepressants and mood stabilizers;
- sedative hypnotics and anxiolytics;
- and, drug treatments for cognitive dysfunction.

**Grading:** (Note: The final exam is comprehensive.)

exams	4 x 100 points each	400 possible points
papers	2 x 50 points each	100 possible points
final exam	1 x 150 points	150 “ “

**TOTAL: 650 possible points**

Your two papers will be 5-7 page literature reviews in APA format. Topics will be based on student interest. Papers will be submitted online via Canvas.

*Final Grades will be determined on a standard percentage basis:*

*A = 93%, A- = 90%, B+ = 87%, B = 83%, B- = 80%, C+ = 77%, C = 73%, C- = 70%, and so forth.*

***!! FINAL EXAM DATE: Mon. Apr 30th 9:30-11:30 !!!!!!!!!!!!!!!***

***This date cannot be changed for you, so plan accordingly.***

**General Policies:**

- **All papers are due on time as listed in our class schedule found on Canvas.** Late work will be docked 10% each day it is late. You may turn in papers early without penalty.
- **Attendance at each class is mandatory.** If you miss more than 5 classes, I reserve the right to dock your grade one step, e.g. C to C-. Plan to be in class. You may find Dixie's policy regarding attendance at <http://www.dixie.edu/humanres/policy/sec5/523.html>.
- **Exams and quizzes may not be taken late,** but exams may be taken early if acceptable arrangements can be made. The final exam must be taken as scheduled for our class.
- **Email: You are required to frequently check your dmail account. Important class and college information will be sent to your dmail account, including DSC bills, financial aid/scholarship notices, notices of cancelled classes, reminders of important dates and deadlines, and other information critical to your success at DSC and in your courses.**
- Students guilty of cheating/plagiarism will be dealt with according to college policy as found at <http://www.dixie.edu/humanres/policy/sec3/334.html>.

**3-34 ACADEMIC DISCIPLINE**

34.1 Cheating: Academic dishonesty in any form will not be tolerated at Dixie State College, including but not limited to plagiarism on written assignments, submitting other person's work as one's own, and cheating on exams or quizzes. Teachers at Dixie State College may discipline students proven guilty of academic dishonesty by:

34.1.1 Giving a failing grade on the specific assignment where dishonesty occurred,

34.1.2 Failing the student in the entire course,

34.1.3 Immediately dismissing and removing the student from the course, and/or

34.1.4 Referring the student to Student Affairs, a committee which may reprimand, place on probation, suspend, and/or expel the student.

34.2 Disruptive Behavior: Teachers at Dixie State College have the right to manage the classroom environment to ensure a good learning climate. Toward this end, teachers (or college security) may dismiss and remove disruptive students from individual class activities. If a student's behavior continues to disrupt class activities, the teacher may dismiss and cause the removal of disruptive students from

their course.

34.3 Student Appeals: Students who believe themselves wrongfully disciplined may appeal those disciplinary actions through the standard grievance procedure. (Policy 5-35)

### Students with Disabilities:

“If you are a student with a medical, psychological or a learning difference and requesting reasonable academic accommodations due to this disability, you must provide an official request of accommodation to your professor(s) from the Disability Resource Center *within the first two weeks of the beginning of classes*. Students are to contact the center on the main campus to follow through with, and receive assistance in the documentation process to determine the appropriate accommodations related to their disability.”

You may call (435) 652-7516 for an appointment and further information regarding the Americans with Disabilities Act (ADA) of 1990 per Section 504 of the Rehabilitation Act of 1973.

### USE YOUR RESOURCES!!

The Browning Learning Resource Center houses both the tutoring and writing centers.

- Library - <http://library.dixie.edu>
- Writing Center - [http://dixie.edu/english/dsc\\_writing\\_center.php](http://dixie.edu/english/dsc_writing_center.php)
- Testing Center - <http://dixie.edu/testing>
- Tutoring Center - <http://dsc.dixie.edu/tutoring/>

### Final Exam Schedule

Fri - April 27	Mon - April 30	Tue - May 1	Wed - May 2	Thur - May 3
Daily, MTWR, MWF, MW, M Only	Daily, MTWR, MWF, MW, M Only	TR, Tue Only	Daily, MTWR, MWF, MW, M Only	TR, Thur Only
<b>Class Time</b> <b>Exam Time</b>	<b>Class Time</b> <b>Exam Time</b>	<b>Class Time</b> <b>Exam Time</b>	<b>Class Time</b> <b>Exam Time</b>	<b>Class Time</b> <b>Exam Time</b>
9:00am 10:00-12:00pm	7:00am 7:00-9:00am	9:00am 8:00-10:00am	8:00am 7:30-9:30am	7:30/8:00am 7:00-9:00am
12:00pm 12:30-2:30pm	10:00am 9:30-11:30am	12:00pm 11:00-1:00pm	11:00am 10:00-12:00pm	10:30am 9:30-11:30am
3:00pm 3:00-5:00pm	1:00pm 12:00-2:00pm	2:30pm 2:00-4:00pm	2:00pm 12:30-2:30pm	1:00pm 12:30-2:30pm
<b>Fri Only Classes</b>	4:00pm 2:30-4:30pm	<b>TR, Tue Only</b>	<b>Wed Only Classes</b>	4:00pm 3:00-5:00pm
5:00pm 5:00pm	<b>MW, M Only Classes</b>	<b>Classes</b>	5:00pm 5:00pm	<b>TR, Thur Only Classes</b>
7:30pm 7:30pm	5:00pm 5:00pm	5:00pm 5:00pm	7:30pm 7:30pm	5:00pm 5:00pm
	7:30pm 7:30pm	7:30pm 7:30pm		7:30pm 7:30pm

Final exams for Fri/Sat courses will take place during regularly scheduled class times on April 27th.

Date	Discussion Topic	Read before Class	Quiz
Mon., Jan. 9	Syllabus and Welcome	---	---
Wed., Jan. 11	A Brief History of Psychopharmacology	Chapter 1	
Fri., Jan. 13	Drug Classification	Chapter 2	1
Wed., Jan. 18	Basic Principles of Psychopharmacology	Chapter 3	
Fri., Jan. 20	Dose-Response		2
Mon., Jan. 23	Kinetics/ Metabolism		
Wed., Jan. 25	Drug Safety, Psychopharmacogenetics	Sup 1	
Fri., Jan. 27	Prenatal Issues; <b>Paper 1 Assigned</b>		
Mon., Jan. 30	A Review of the Neuron	Chapter 4	3
Wed., Feb. 1	Chemical Neurotransmission		
Fri., Feb. 3	Neurotransmission, Exam Review	Chs 1-4 + Sup 1	<b>Exam 1</b>
Mon., Feb. 6	Neurotransmitters	Chapter 5	
Wed., Feb. 8	Neurotransmitter and Neuroreceptors		4
Fri., Feb. 10	Neurotransmitter Systems in the Brain	Sup 2	
Mon., Feb. 13	Psychoneuroimmunology	Sup 3	
Wed., Feb. 15	Tolerance and Sensitization	Chapter 6	5
Fri., Feb. 17	Abuse and Dependence in Adolescents/Adults	Sup 4	
<b>Wed., Feb. 22</b>	Substance Use Disorder Treatments	Sup 5	
Fri., Feb. 24	Caffeine, Nicotine; <b>Paper 2 Assigned</b>	Chapter 7	6
Mon., Feb. 27	Treatment of Parkinson's Disease & RLS		
Wed., Feb. 29	Treatment, Exam Review	Chs 5-7+Sup 2-5	<b>Exam 2</b>
Fri., Mar. 2	Hypotheses of Schizophrenia	Chapter 8	
Mon., Mar. 5	Schizophrenia and Conventional Antipsychotics		
Wed., Mar. 7	Atypical Antipsychotics		7
Fri., Mar. 9	Hypotheses of Affective Disorders	Chapter 9	
Mon., Mar. 19	Monoamine oxidase and uptake inhibitors		
Wed., Mar. 21	SSRIs		
Fri., Mar. 23	Nondrug Treatments/ Placebo Effects	Sup 6	8
Mon., Mar. 26	Oxytocin	Sup 7	
Wed., Mar. 28	Lithium, Mood stabilizers		
Fri., Mar. 30	Alternatives to Lithium/ Review	Chs 8,9 +Sup 6,7	<b>Exam 3</b>
Mon., Apr. 2	Alcohol pharmacokinetics, effects	Chapter 10	
Wed., Apr. 4	Anxiolytics		
Fri., Apr. 6	Benzodiazepines, Buspirone		9
Mon., Apr. 9	Anticonvulsants		
<b>Wed., Apr. 11</b>	Treatment of ADHD – Adults and Children		
Fri., Apr. 13	Opiates	Chapter 12	10
Mon., Apr. 16	Tolerance, Dependence, Treatment of Opiates		
Wed., Apr. 18	Pain Management	Sup 8	
Fri., Apr. 20	Review	Ch 10, 11, 12, S8	<b>Exam 4</b>
Mon., Apr. 23	On the horizon. where is research headed?		
Wed., Apr. 25	Course Recap/ <i>Psychopharmacology Bowl!!</i>	thewholeshebang	--
<b>Mon., Apr. 30</b>	<b>Comprehensive Final Exam 9:30am</b>	<b>sleep, eat well</b>	--